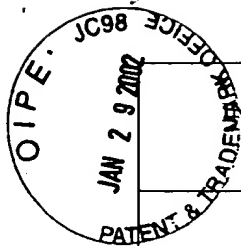


INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)			ATTY. DOCKET NO. 112223.122US1		SERIAL NO. 09/918,709	
JAN 29 2002 O I P E J C 98 PATENT & TRADEMARK OFFICE			APPLICANT KARABINIS et al.			
			FILING DATE August 1, 2001		GROUP 2661	
RECEIVED JAN 31 2002 Technology Center 2600						
U.S. PATENT DOCUMENTS						
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h	3,963,990	06/15/76	DiFonzo			02/27/74
	4,119,964	10/10/78	Fletcher et al.			10/28/76
	4,144,496	03/13/79	Cunningham et al.			03/17/76
	4,168,496	09/18/79	Lichtblau			10/05/77
	4,292,685	09/29/81	Lee			05/31/78
	4,396,948	08/02/83	Fernsler et al.			02/11/81
	4,425,639	01/10/84	Acampora et al.			01/12/81
	4,506,383	03/19/85	McGann			01/04/80
	4,672,655	06/09/87	Koch			12/10/84
	4,819,227	04/04/89	Rosen			08/14/86
	4,823,341	04/18/89	Rosen			08/14/86
	4,870,408	09/26/89	Zdunek et al.			04/30/87
	4,879,711	11/07/89	Rosen			10/14/87
	4,901,307	02/13/90	Gilhousen et al.			10/17/86
	4,956,875	09/11/90	Bernard et al.			07/05/88
	4,979,170	12/18/91	Gilhousen et al.			01/19/88
	4,985,706	01/15/91	Schukat			12/19/87
	5,010,317	04/23/91	Schwendeman et al.			11/30/89
	5,044,006	08/27/91	Cyruunik			04/27/90
	5,073,900	12/17/91	Mallinckrodt			03/19/90
	5,073,971	12/17/91	Schaeffer			09/05/89
	5,081,703	01/14/92	Lee			06/27/90
	5,093,925	03/03/92	Chanroo			04/25/90
	5,111,534	05/05/92	Benner			09/04/90
	5,142,691	08/25/92	Freeburg et al.			04/05/91
	5,193,101	03/09/93	McDonald et al.			02/04/91
	5,193,102	03/09/93	Meidan et al.			11/18/91
	5,208,829	05/04/93	Soleimani et al.			03/26/91
h	5,216,427	06/01/93	Yan et al.			11/01/90
EXAMINER			DATE CONSIDERED			
h			6/22/04			

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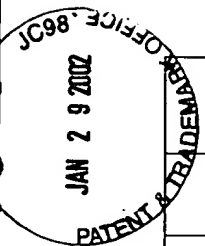
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KARABINIS et al.FILING DATE
August 1, 2001GROUP
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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>C</i>	5,247,699	09/21/93	Hartman	—	—	04/12/90
	5,257,398	10/26/93	Schaeffer			02/27/90
	5,268,694	12/07/93	Jan et al.			07/06/92
	5,276,908	01/04/94	Koohgoil et al.			10/25/90
	5,301,188	04/05/94	Kotzin et al.			08/10/92
	5,303,286	04/12/94	Wiedeman			03/29/91
	5,303,287	04/12/94	Laborde			08/13/92
	5,317,593	05/31/94	Fulghum et al.			03/03/93
	5,327,572	07/05/94	Freeburg			03/06/90
	5,339,330	08/16/94	Mallinckrodt			10/24/91
	5,355,520	10/11/94	Freeburg et al.			11/30/90
	5,367,304	11/22/94	Jan et al.			03/15/93
	5,394,561	02/28/95	Freeburg			07/22/93
	5,408,496	04/18/95	Ritz et al.			06/18/93
	5,410,728	04/25/95	Bertiger et al.			04/21/93
	5,423,084	06/06/95	Vatt			05/11/92
	5,428,818	06/27/95	Meidan et al.			01/18/94
	5,444,449	08/22/95	Poskett et al.			12/15/93
	5,446,756	08/29/95	Mallinckrodt			10/28/93
	5,452,471	09/19/95	Leopold et al.			05/02/94
	5,455,961	10/03/95	Nakagawa			04/01/93
	5,469,468	11/21/95	Schilling			09/27/93
	5,473,601	12/05/95	Rosen et al.			10/21/93
	5,475,734	12/12/95	McDonald et al.			01/12/95
	5,483,666	01/09/96	Yamada et al.			10/13/92
	5,490,284	02/06/96	Itoh et al.			05/23/94
	5,511,233	04/23/96	Otten			04/05/94
	5,524,280	06/04/96	Douthitt et al.			10/31/94
<i>C</i>	5,526,404	06/11/96	Wiedeman et al.	—	—	07/21/94
EXAMINER	DATE CONSIDERED					
<i>C</i>	<i>8/22/04</i>					

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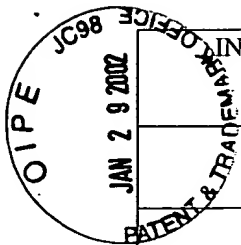
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INFORMATION DISCLOSURE CITATION IN AN
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(PTO-1449)ATTY. DOCKET NO.
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U.S. PATENT DOCUMENTS

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<i>C</i>	5,535,430	07/09/96	Aoki et al.	—	—	03/11/94
	5,535,432	07/09/96	Dent			09/14/94
	5,535,438	07/09/96	Sevic			05/10/94
	5,548,800	08/20/96	Olds et al.			06/03/94
	5,552,920	09/03/96	Glynn			06/07/95
	5,559,866	09/24/96	O'Neill			01/20/95
	5,564,076	10/08/96	Auvray			06/21/94
	5,574,969	11/12/96	Olds et al.			11/08/94
	5,584,046	12/10/96	Martinez et al.			11/04/94
	5,586,165	12/17/96	Wiedman			07/21/94
	5,594,718	01/14/97	Weaver, Jr. et al.			03/30/95
	5,594,720	01/14/97	Papadopoulos et al.			12/27/94
	5,612,703	03/18/97	Mallinckrodt			05/19/95
	5,619,503	04/08/97	Dent			01/11/94
	5,619,525	04/08/97	Wiedeman et al.			06/06/95
	5,625,624	04/29/97	Rosen et al.			10/21/93
	5,625,672	04/29/97	Yamada			03/10/94
	5,625,878	04/29/97	Löppönen et al.			02/28/96
	5,630,757	05/20/97	Gagin et al.			11/29/94
	5,641,134	06/24/97	Vatt			12/27/94
	5,649,292	07/15/97	Doner			10/31/94
	5,666,648	09/09/97	Stuart			04/18/95
	5,669,062	09/16/97	Olds et al.			09/09/96
	5,675,629	10/07/97	Raffel et al.			09/08/95
	5,694,416	12/02/97	Johnson			02/24/95
	5,701,584	12/23/97	Dupuy			03/06/95
	5,703,874	12/30/97	Schilling			04/07/94
	5,710,973	01/20/98	Yamada			12/01/95
	5,721,500	02/24/98	Karanicolas			02/07/96
<i>C</i>	5,729,538	03/17/98	Dent	—	—	03/11/97
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<i>C</i>	6/22/04					

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	APPLICANT KARABINIS et al.	
	FILING DATE August 1, 2001	GROUP 2661

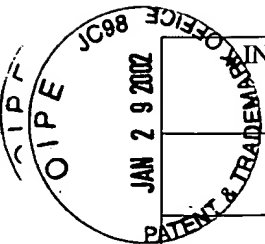
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C	5,732,359	03/24/98	Baranowsky, II et al.			10/13/94
	5,739,874	04/14/98	Badger et al.			12/28/95
	5,745,084	04/28/98	Lusignan			10/13/95
	5,752,164	05/12/98	Jones			04/25/95
	5,757,767	05/26/98	Zehavi			10/29/96
	5,757,789	05/26/98	Dent			03/11/97
	5,758,090	05/26/98	Doner			09/22/95
	5,758,261	05/26/98	Wiedman			03/03/97
	5,761,605	06/02/98	Tawil et al.			10/11/96
	5,765,098	06/09/98	Bella			07/08/96
	5,774,787	06/30/98	Leopold et al.			12/05/94
	5,774,805	06/30/98	Zicker			06/06/96
	5,790,070	08/04/98	Natarajan et al.			05/05/97
	5,794,138	08/11/98	Briskman			02/26/97
	5,802,474	09/01/98	Faruque			06/20/96
	5,812,539	09/22/98	Dent			03/11/97
	5,812,947	09/22/98	Dent			12/02/96
	5,815,809	09/29/98	Ward et al.			04/16/96
	5,822,680	10/13/98	Stuart et al.			11/07/96
	5,825,325	10/20/98	O'Donovan et al.			09/17/96
	5,826,190	10/20/98	Krutz et al.			02/18/97
	5,828,963	10/27/98	Grandhi et al.			03/24/95
	5,832,379	11/03/98	Mallinckrodt			10/06/97
	5,832,380	11/03/98	Ray et al.			09/13/96
	5,835,857	11/10/98	Otten			11/18/96
	5,838,669	11/17/98	Gerakoulis			08/28/96
	5,841,766	11/24/98	Dent et al.			08/12/96
	5,844,894	12/01/98	Dent			02/29/96
	5,848,060	12/08/98	Dent			08/21/95
	5,848,359	12/08/98	Furtaw			11/03/97
	5,852,721	12/22/98	Dillon et al.			02/07/97
C	5,854,985	12/29/98	Sainton et al.			09/04/96

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)				ATTY. DOCKET NO. 112223.122US1		SERIAL NO. 9/918,709	
				APPLICANT KARABINIS et al.			
				FILING DATE August 1, 2001		GROUP 2661	
U.S. PATENT DOCUMENTS							
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C	5,859,838	01/12/99	Soliman			07/30/96	
	5,859,841	01/12/99	Gitlits			01/07/97	
	5,864,316	01/26/99	Bradley et al.			12/30/96	
	5,864,579	01/26/99	Briskman			07/25/96	
	5,867,765	02/02/99	Nilsson			03/31/95	
	5,867,789	02/02/99	Olds et al.			12/30/96	
	5,884,181	03/16/99	Arnold et al.			01/19/96	
	5,887,261	03/23/99	Csapo et al.			09/06/94	
	5,894,590	04/13/99	Vatt et al.			07/31/95	
	5,901,357	05/04/99	D'Avello et al.			09/20/93	
	5,907,541	05/25/99	Fairholm et al.			10/20/97	
	5,907,809	05/25/99	Molnar et al.			09/20/96	
	5,911,120	06/08/99	Jarett et al.			09/08/95	
	5,912,641	06/15/99	Dietrich			01/21/97	
	5,915,207	06/22/99	Dao et al.			01/22/96	
	5,920,804	07/06/99	Armbruster et al.			04/02/96	
	5,920,819	07/06/99	Asanuma			02/26/97	
	5,924,037	07/13/99	Mao			12/31/96	
	5,926,758	07/20/99	Grybos et al.			08/26/96	
	5,926,762	07/20/99	Arpee et al.			05/17/96	
	5,929,804	07/27/99	Jones et al.			06/24/97	
	5,936,570	08/10/99	Ghazvinian et al.			03/05/98	
	5,937,332	08/10/99	Karabinis			03/21/97	
	5,937,352	08/10/99	Courtney et al.			05/13/96	
	5,940,033	08/17/99	Locher et al.			01/20/98	
	5,940,753	08/17/99	Mallinckrodt			10/06/97	
	5,940,765	08/17/99	Haartsen			08/30/96	
	5,949,766	09/07/99	Ibanez-Meier et al.			12/30/96	
5,956,619	09/21/99	Gallagher et al.			12/12/96		
5,959,984	09/28/99	Dent			12/22/97		
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<i>h</i>	5,960,351	09/28/99	Przelomiec			02/26/97
	5,960,352	09/28/99	Cherpantier			11/09/95
	5,960,364	09/28/99	Dent			11/08/96
	5,963,561	10/05/99	Lu			12/05/96
	5,963,862	10/05/99	Adiwozo et al.			10/25/96
	5,970,410	10/19/99	Carney et al.			02/27/96
	5,974,323	10/26/99	Doner			09/13/96
	5,974,324	10/26/99	Henson			02/10/97
	5,995,832	11/30/99	Mallinckrodt			10/28/98
	5,995,840	11/30/99	Dorenbosch et al.			07/17/97
	5,995,841	11/30/99	King et al.			08/22/97
	5,999,818	12/07/99	Gilbert et al.			08/06/96
	6,002,935	12/14/99	Wang			05/22/97
	6,008,760	12/28/99	Shattil			05/23/97
	6,009,332	12/28/99	Haarsten			04/24/97
	6,011,951	01/04/00	King et al.			08/22/97
	6,018,658	01/25/00	Blachier			01/06/96
	6,018,663	01/25/00	Karlsson et al.			01/28/97
	6,019,318	02/01/00	Cellier et al.			06/16/97
	6,021,309	02/01/00	Sherman et al.			05/22/97
	6,023,463	02/08/00	Wiedeman et al.			11/23/98
	6,032,041	02/29/00	Wainfan et al.			06/02/97
	6,035,178	03/07/00	Chennakeshu et al.			05/09/96
	6,038,455	03/14/00	Gardner et al.			08/29/96
	6,049,548	04/11/00	Bruno et al.			04/28/97
	6,052,558	04/18/00	Cook et al.			04/28/97
	6,052,560	04/18/00	Karabinis			10/15/97
	6,052,586	04/18/00	Karabinis			08/29/97
<i>h</i>	6,061,562	05/09/00	Martin et al.			10/30/97
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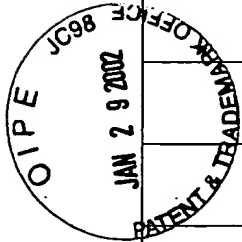
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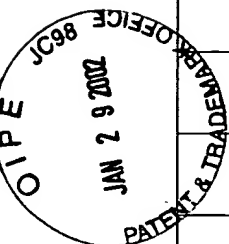
U.S. PATENT DOCUMENTS

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lu	6,067,453	05/23/00	Adiwozo et al.			10/25/96
	6,075,777	06/13/00	Agrawal et al.			08/21/96
	6,078,814	06/20/00	Jeffries et al.			10/24/97
	6,084,865	07/04/00	Dent			07/23/97
	6,085,093	07/04/00	Vasudevan et al.			09/22/97
	6,088,341	07/11/00	Hinedi et al.			09/28/98
	6,088,416	07/11/00	Perahia et al.			04/21/98
	6,088,572	07/11/00	Vatt et al.			02/23/98
	6,088,592	07/11/00	Doner et al.			03/25/96
	6,091,936	07/18/00	Chennakeshu et al.			03/29/96
	6,091,955	07/18/00	Aalto et al.			06/12/97
	6,094,178	07/25/00	Sanford			11/14/97
	6,097,708	08/01/00	Mao			12/31/96
	6,101,385	08/08/00	Monte et al.			10/09/97
	6,112,083	08/29/00	Sweet et al.			11/19/96
	6,112,085	08/29/00	Garner et al.			09/04/97
	6,119,011	09/12/00	Borst et al.			03/05/98
	6,122,499	09/19/00	Magnusson			07/31/98
	6,122,291	09/19/00	Robinson et al.			02/27/97
	6,125,260	09/26/00	Wiedeman et al.			10/09/98
	6,126,116	10/03/00	Cellier			07/21/98
	6,128,497	10/03/00	Faruque			03/10/98
	6,134,437	10/17/00	Karabinis et al.			06/13/97
	6,134,442	10/17/00	Borst et al.			03/05/98
	6,138,010	10/24/00	Rabe et al.			05/08/97
	6,141,566	10/31/00	Gerdisch et al.			01/11/99
	6,154,654	11/28/00	Mao			05/07/98
	6,154,655	11/28/00	Borst et al.			03/05/98
	6,157,621	12/05/00	Brown et al.			09/10/97
	6,157,811	12/05/00	Dent			02/16/96
	6,157,834	12/05/00	Helm et al.			12/29/97
lu	6,223,041	04/24/01	Egner et al.			07/23/98

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. 112223.122US1	SERIAL NO. 09/918,709
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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
<i>C</i>	1411991	10/29/75	EP	<i>f</i>	<i>7</i>	
<i>f</i>	00104577	09/19/83	EP			
<i>f</i>	0304890	03/01/89	EP			
<i>f</i>	484662	05/13/92	EP			
<i>f</i>	277205	08/26/92	EP			
<i>f</i>	0569693	03/29/93	EP			
<i>f</i>	0578075	06/25/93	EP			
<i>f</i>	0616437	02/24/94	EP			
<i>f</i>	597225	05/18/94	EP			
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SHEET 9 OF 22

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 112223.122US1	SERIAL NO. 09/918,709
		APPLICANT KARABINIS et al.	
		FILING DATE August 1, 2001	GROUP 2661

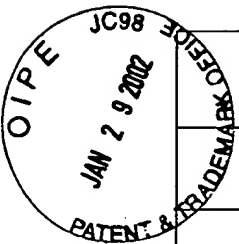
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SHEET 10 OF 22

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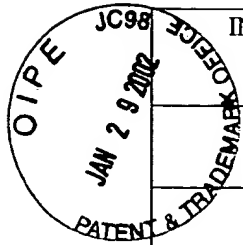
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APPLICANT
KARABINIS et al.

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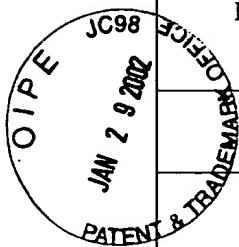
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				APPLICANT KARABINIS et al.			
				FILING DATE August 1, 2001		GROUP 2661	
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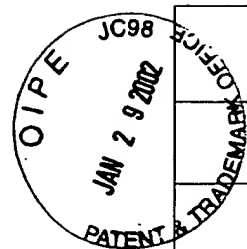
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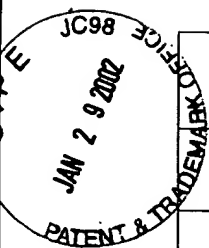
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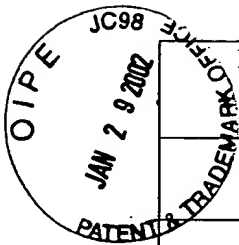
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		APPLICANT KARABINIS et al.	
		FILING DATE August 1, 2001	GROUP 2661
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
l	Araki, Noriyuki; Minamisono, Kenichi; Oodo, Masayuki; Miura, Ryu. "Frequency Sharing of FSS and HAPS in the Reverse Band Working." <i>AIAA International Communications Satellite Systems Conference and Exhibit</i> , April 10-14, 2000. <i>Collection of Technical Papers</i> Vol. 2. American Institute of Aeronautics and Astronautics, pp. 1074-1081. (ABSTRACT)		
	Chang, John W. "Visibility Considerations in Frequency Sharing with Low Earth Orbit Satellites." <i>Engineering Institute of Canada, Canadian Conference on Electrical and Computer Engineering</i> . Vols. 1 and 24. (ABSTRACT)		
	Krishnamarchari, Bhaskar. "Channel Allocation." www.ee.cornell.edu/~bhaskar/msthesis/node19.htm . May 11, 1999.		
	Mele, Jim. "Trucking a Winner in ARDIS Acquisition." Intertec Publishing Corporation. January 15, 1998, www.fleetowner.com/edit/news/980102.htm .		
	Ayyagari, Deepak and Anthony Ephremides. "A Satellite-Augmented Cellular Network Concept." <i>Wireless Networks</i> 4 (1998): 189-198.		
	Sempere, Javier Gozalvez. "Overview of the GSM System." 1997. www.comms.eee.strath.ac.uk/~gozalvez/gsm/gsm .		
	Rickerson, Don and Mark Rhoads. "Symphony or Calliope-Frequency Management with Mobile Satellite Services." <i>IEEE</i> (1996): 943-947.		
	Vermeer, M. "Some Simulated Noise Inversion Studies of Satellite Geopotential Missions Involving "Criterion Functions" in the Frequency Domain." <i>Journal of Geology</i> , Vol. 70, No. 7, April 1996. Germany: Springer-Verlag, pp. 397-409. (ABSTRACT)		
	James, M. C. "Interference Considerations in Frequency Sharing Between Low Earth Orbit Satellites and the Geostationary Fixed Satellite and Terrestrial Service." <i>International Journal of Satellite Communications</i> , Vol. 13, No. 3. May-June 1995. United Kingdom: IEE, pp. 171-176. (ABSTRACT)		
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	Re, Enrico Del and Piero Iannucci. "The GSM Procedures in an Integrated Cellular/Satellite System," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 13, pNo.2, February 1995, pp. 421-430.		
l	Yu-Dong Yao. "Interference Analysis of Mobile Satellite Systems with Frequency Reuse." <i>VTC 1994. 'Creating Tomorrow's Mobile Systems.'</i> Vol. 3. IEEE 44 th Vehicular Technology Conference. New York: IEEE pp. 1621-1624. (ABSTRACT)		
EXAMINER		DATE CONSIDERED	
l		6/22/04	

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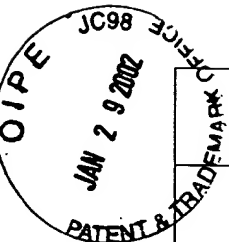
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		FILING DATE August 1, 2001	GROUP 2661
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
C	Hu, Lo-Rong and Stephen S. Rappaport. "Personal Communications Systems Using Multiple Hierarchical Cellular Overlays," <i>Third International Conference on Universal Personal Communications</i> , September 27-October 1, 1994, pp. 397-401.		
	Priscoli, Francesco Delli. "Architecture of an Integrated GSM-Satellite System," <i>European Transactions on Telecommunications and Related Technologies</i> , Vol., No. 5, September-October 1994, pp. 91/625-99/633.		
	Charbonnier, A., J. Hubert, J. Attal, M. Cohen and C. Evci. "Perspectives for Mobile Communication," <i>Commutation & Transmission Special Issue</i> , 1993, pp. 109-121.		
	Priscoli, Francesco Delli. "Network Aspects Relevant to the Integration Between the GSM Network and a Satellite System," <i>ICUPC</i> , 1993, pp. 339-343.		
	Baranowsky II, Patrick W. "MSAT and Cellular Hybrid Networking," <i>Proceedings of the Third International Mobile Satellite Conference</i> , June 16-18, 1993, pp. 149-154.		
	Hendrix, C. E.; Kulon, G.; Anderson, C.S.; Heinze, M. A. "Multigigabit Transmission Through Rain in a Dual Polarization Frequency Reuse System: An Experimental Study." <i>IEEE Transactions on Communications</i> , Vol. 41, No. 12. December 1993. pp. 1830-1807. (ABSTRACT)		
	Cohen, M.; Michel, C.; Rouffet, D.; Tanguy, Y. "Frequency Sharing Between LEO Systems." <i>Fourth IEE Conference on Telecommunications</i> , Conference Publication No. 371, 1993, London: IEE, pp. 312-317. (ABSTRACT)		
	Kondo, H.; Nakajima, S.; Komagata, H. "Frequency Shared Access Control for Multi-Beam Mobile Satellite Communications Systems." <i>SUPERCOMM/ICC '92. Discovering a New World of Communications</i> . Vol. 2, 1992, New York: IEEE, pp. 755-759. (ABSTRACT)		
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	Sato, S.; Iso, A.; Orikasa, T.; Sugimoto, T. "Frequency Reuse and Mesh Reflector Mass of Multi-Beam Antenna Having Different Elliptical Beams on Transmitting and Receiving for Mobile Communication Satellites." <i>Transactions of the Institute of Electronics, Information and Communication Engineers B-II</i> , Vol. J75BII, No. 2, February 1992, pp. 150-152. (ABSTRACT)		
C	Bernhardt, Richard C. "Call Performance of a TDMA Portable Radio System with Frequency Reuse." <i>GLOBECOM '91. IEEE Global Telecommunications Conference</i> , Phoenix, Arizona, December 2-5, 1991. Conference Record Vol. 2, New York: Institute of Electrical and Electronics Engineers, Inc. pp. 987-991. (ABSTRACT)		
EXAMINER		DATE CONSIDERED	

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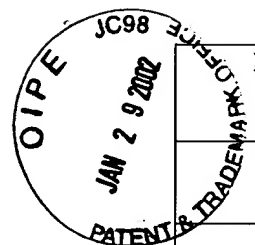
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
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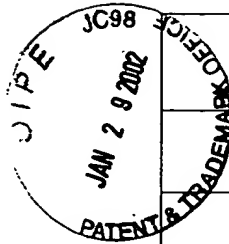
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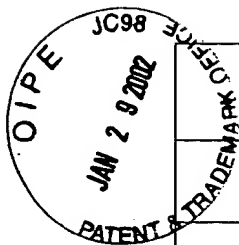
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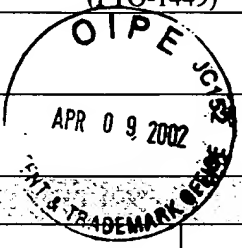
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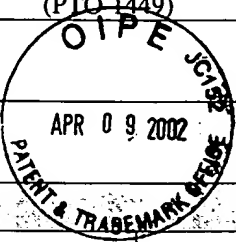
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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>h</i>	5,878,346	03/02/99	Ray et al.			09/06/96
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EXAMINER <i>h</i>			DATE CONSIDERED <i>6/27/04</i>			

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<i>fu</i>	5,812,968	09/22/98	Hassan et al.	—	—	08/28/96
<i>fu</i>	5,926,745	07/20/99	Threadgill et al.	—	—	08/21/96
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